



FILE COPY

9231 Rumsey Road
Columbia, Maryland 21045
www.atcassociates.com
Phone 410-381-0232
Fax 410-381-8908

March 3, 2011

Carr Hospitality
1455 Pennsylvania Avenue, NW, Suite 100
Washington, DC 20004
Attn: Mr. Austin Flajser, Project Manager

Re: **Limited Subsurface Investigation Report**
214 - 220 South Union Street
Alexandria, Virginia 22314
ATC Project Number: 09.41386.0001



Dear Mr. Flajser:

ATC Associates, Inc. (ATC) is pleased to present this Limited Subsurface Investigation (LSI) Report for the above referenced property. This investigation was completed in accordance with ATC's proposal number 009-2011-0069, dated February 4, 2011 and Change Order #1, dated February 10, 2011.

BACKGROUND

ATC recently completed a Phase I Environmental Site Assessment (ESA) of the property in connection with a potential acquisition and redevelopment of the property. The property consists of an approximately 0.5-acre parcel developed with an approximately 21,240-square foot single-story building constructed prior to 1963.

Based on the review of historical sources, the Bryant Fertilizer Company, Fertilizer Warehouse, occupied the property from at least 1891 through the 1930's. Associated with the Fertilizer Warehouse was an acid house located to the east near the Potomac River, connected to the Warehouse by a footbridge, from at least 1902 to 1907. While the main historic fertilizer manufacturing operations appeared to have been conducted on property located adjacent to the south (currently Robinson Terminal), some manufacturing operations may have been conducted onsite based on the presence of the connected acid house. The Bryant Fertilizer Company reportedly handled materials such as acid phosphate and 16% phosphate. Based on ATC's previous experience, phosphate fertilizer manufacturing can result in soil and groundwater contamination, including lead, arsenic, polyaromatic hydrocarbons (PAHs) and acidic (low pH) conditions. The former Warehouse building was razed in the 1940s.

ATC's Phase I ESA review of historical sources also determined that the property is located in an area that was fully developed by the 1880s, primarily for industrial uses. Several adjacent/nearby properties of potential concern were identified. It was considered likely that soil and groundwater impacts may be present related to the former off-site industrial operations.

Based on the former industrial use of the property and surrounding properties, further investigation was recommended prior to the proposed acquisition and redevelopment of the property with a six story building, to include one level of underground parking.

A Site Location map is provided as **Figure 1**. A Site Plan showing the subject property is provided as **Figure 2**.

Final #1

DSUP2012-00019
Cummings Hotel
220 S Union St

FIELD ACTIVITIES

Prior to the initiation of subsurface activities, Miss Utility was contacted to identify on-site public utilities. Additionally, ATC contracted a private utility locator, Utility Search Inc., to identify private utilities in the vicinity of the proposed borings. A site specific Health and Safety Plan (HASP) was prepared in accordance with ATC's standard protocol. The HASP was maintained on-site by ATC during field activities.

On February 18, 2011, ATC cored through the concrete floor slab of the property parking garage and art studio/classrooms at five locations utilizing a hammer drill and coring bit. Five soil borings, B-1 through B-5, were subsequently advanced at the site on the evening of February 21, 2011 and morning of February 22, 2011, utilizing a Geoprobe® direct push hydraulic percussion/probing system. (Work was requested to be completed at night due to art classes.) Three borings (B-1 through B-3) were completed within the parking garage located in the northern portion of the project building. Two borings (B-4 and B-5) were completed within the art studio located in the southern portion of the project building. See **Figure 2** for the approximate boring locations. Photographs are provided in **Appendix A**.

ATC recovered soil cores from the borings and field screened for volatile organic compounds (VOCs) using a portable photo-ionization detector (PID) calibrated to 100 parts per million (ppm) utilizing isobutylene calibration gas. In addition, visual and olfactory observations were made in the field and recorded while the Staff Geologist logged soil lithology and noted subsurface conditions. No PID responses above background concentrations were observed in any borings, and no indications of impact, such as odors or staining was noted. Under the 4 to 6 inch-thick concrete floor slab, 5 to 9 feet of artificial fill (which included gravel and crushed stone, brick and concrete fragment) were underlain by soils consisting of silty sand and poorly graded sand, with varying amounts of gravel and organic matter. Groundwater was encountered in all of the borings at depths of approximately 7 to 8 feet bgs. Soil boring logs are provided in **Appendix B**.

Soil cores were recovered via dedicated four-foot acetate, disposable sleeves; therefore, decontamination of down-hole equipment was not necessary. After the completion of the borings, a temporary monitoring well was installed into the open boreholes of borings B-1, B-3, and B-5 to enable the collection of groundwater samples. The temporary wells consisted of five-foot sections of one-inch diameter polyvinyl chloride (PVC) slotted screen, followed by one-inch diameter PVC riser to the ground surface. A groundwater sample was collected from each boring via dedicated plastic, disposable bailers. Upon completing sampling activities the temporary wells were removed from the boreholes. The five boreholes were then backfilled using excess soil cuttings and hydrated bentonite chips, and then patched with concrete.

The soil samples collected from immediately below the building floor slab or at the groundwater interface were selected for laboratory analysis. The five soil samples and three groundwater samples were placed into laboratory-approved glassware. The glassware was then properly sealed, labeled, and packed on ice before being transported under chain-of-custody protocol to Phase Separation Science (PSS) located in Baltimore, Maryland. The soil samples and groundwater samples were submitted for laboratory analysis of VOCs via EPA Method 8260, Semi-VOCs (SVOCs, which include polycyclic aromatic hydrocarbons) via EPA Method 8270, Total Petroleum Hydrocarbons (TPH) Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) via EPA Method 8015, and Priority Pollutant Metals via EPA Method 6020.

Table 1 below, provides a summary of samples submitted for laboratory analysis, matrix, and sample collection depths.

Table 1
Sample Summary
214 - 220 South Union Street

Sample ID/feet bgs	Matrix	Location
B-1, 1-3	Soil	Parking garage
B-2, 7-9	Soil	Parking garage
B-3, 1-3	Soil	Parking garage
B-4, 6-8	Soil	Art Studio
B-5, 1-3	Soil	Art Studio
B-1	Groundwater	Parking garage
B-3	Groundwater	Parking garage
B-5	Groundwater	Art Studio

bgs = below ground surface

ANALYTICAL RESULTS

The laboratory analytical report is provided in Appendix C and the results are summarized below.

Soil Sample Results

Results for the soil analysis are summarized in **Table 2**. No SVOCs or TPH-GRO were identified in the soil samples. Only one VOC, acetone, was reported in one sample. As this parameter is a common laboratory artifact and was not identified in other samples, it is not considered representative of environmental conditions and therefore is not included in Table 2. As shown in Table 2, various metals and TPH-DRO were identified.

Table 2
Soil Sample Results (mg/kg, equivalent to parts per million)
214 – 220 South Union Street
Alexandria, Virginia

Parameter	Sample ID					VADEQ Soil Screening Level
	B-1, 1-3	B-2, 7-9	B-3, 1-3	B-4, 6-8	B-5, 1-3	
Antimony	4.8	ND	ND	ND	ND	41
Arsenic	13	6.7	2.4	2.6	4.5	1.6
Chromium	19	13	14	7.4	22	5.6
Copper	59	11	5.7	3.5	11	4,100
Lead	180	14	7.7	4.2	17	800
Mercury	0.28	ND	ND	ND	ND	3.4
Nickel	9.6	10	4.3	5.4	7.8	2,000
Zinc	110	28	10	14	25	31,000
TPH-DRO	5.3	10	7.4	ND	ND	100

ND = Non-detect

Results in **bold** indicate above the Soil Screening Level

With the exception of arsenic and chromium, the metals detected were well below the Virginia Department of Environmental Quality (DEQ) Regional Screening Level for Commercial/Industrial Soils shown in the table. These screening levels (last revised October 2010) are not cleanup standards, but are risk-based exposure levels based on long-term/chronic exposures.

The concentrations of arsenic in all of the soil samples were above the Screening Level of 1.6 mg/kg. With the exception of the sample collected from boring B-1, the arsenic likely represents naturally occurring levels. Arsenic is routinely identified at these levels in Maryland and Virginia and these concentrations are not considered a concern based on the current and proposed use of the property. The concentration of Arsenic in sample B-1, collected from the western portion of the parking garage, is two to three times higher than the concentration in the other samples. The concentrations of most of the other metals in this sample were also generally higher than the other samples, and two metals, mercury and antimony, were detected only in this sample. Lead was detected in this sample at a concentration ten times the next highest concentration. As arsenic and lead are known to be associated with phosphate fertilizer manufacturing, it is possible that the elevated levels of metals in boring B-1 are associated with the historic onsite operations.

The concentrations of chromium are not likely naturally occurring, but are generally consistent in all samples and likely represent low-level impacts from long term industrial use of the property and nearby properties.

The DEQ does not have established action levels for TPH in soil (cleanup levels are determined on a site-specific basis based on potential risks). Therefore, the results were compared to the soil action guidance of 100 mg/kg. (Per the DEQ's Storage Tank Program Technical Manual, DEQ Guidance Document # 01-2024, third Edition, October 4, 2001, results of over 100 mg/kg in soil must be reported to DEQ so that a determination can be made regarding further investigation. Soil with TPH at 50 mg/kg or less may be used as "clean fill".) All results were well below 100 mg/kg and the concentrations likely represent low-level impacts from long term industrial use of the property and nearby properties.

Groundwater Sample Results

The groundwater sample results are summarized in **Table 3**. No VOCs, SVOCs, or TPH-GRO were identified. As shown in Table 2, various metals and TPH-DRO were identified.

Table 3
Groundwater Sample Results (ug/L, equivalent to parts per billion)
214 -220 South Union Street
Alexandria, Virginia

Parameter	<u>Sample ID</u>			VADEQ Groundwater Screening Level
	B-1	B-3	B-5	
Antimony	ND	ND	23	75.7
Arsenic	ND	2.1	1.6	185
Chromium	ND	2.8	ND	26.6
Nickel	1.2	ND	ND	4,750
Selenium	ND	4.1	ND	3,080
TPH-DRO	ND	ND	200	1,000

ND = Non-detect

The DEQ does not have established action levels for TPH in groundwater (cleanup levels are determined

on a site-specific basis based on potential risks). Therefore, the results were compared to the groundwater action guidance of 1,000 ug/L. Per the DEQ's Storage Tank Program Technical Manual, results over 1,000 ug/L in groundwater must be reported to DEQ so that a determination can be made regarding further investigation. The TPH-DRO concentration of 200 ug/L in boring B-5 was well below this level.

During property development groundwater will likely be encountered based on the shallow depth to groundwater (7 to 8 feet). Following redevelopment there will not be an exposure to groundwater. Therefore, the metals results were compared to the DEQ screening level for exposure to groundwater by construction workers (updated November 2010). As shown in table 3, all metals were well below the screening levels.

CONCLUSIONS and RECOMMENDATIONS

With the exception of several metals and TPH-DRO, the analytical results from the investigation do not indicate impact from the former industrial use of the property and adjacent properties. Arsenic and lead, known to be associated with phosphate fertilizer manufacturing, were identified in boring B-1 at elevated (but still low) concentrations that may be associated with the historic onsite operations. Chromium was identified in soil samples at concentrations that are generally consistent in all samples and likely represent low-level impacts from long term industrial use of the property and nearby properties. None of the concentrations detected represent levels that would require remediation, regulatory reporting, or special handling during excavation and disposal.

Based on field observations and the results of laboratory analysis, no further investigation is recommended at this time.

LIMITATIONS

The findings of this report are based on the analysis of a limited number of soil and groundwater samples collected from specific depths at specific boring locations. The results of this investigation are considered representative of site conditions relative to the specific source(s) identified herein, but do not guarantee that conditions would differ at other locations or that the site is free from existing or threatened pollution.

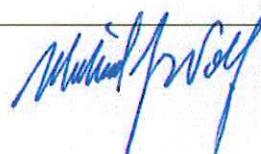
ATC appreciates the opportunity to be of service for this project. If you have any questions relating to this document, please call the undersigned at (410) 381-0232.

Sincerely,

ATC ASSOCIATES INC.



Lee Hogg, CPG
Operations Manager

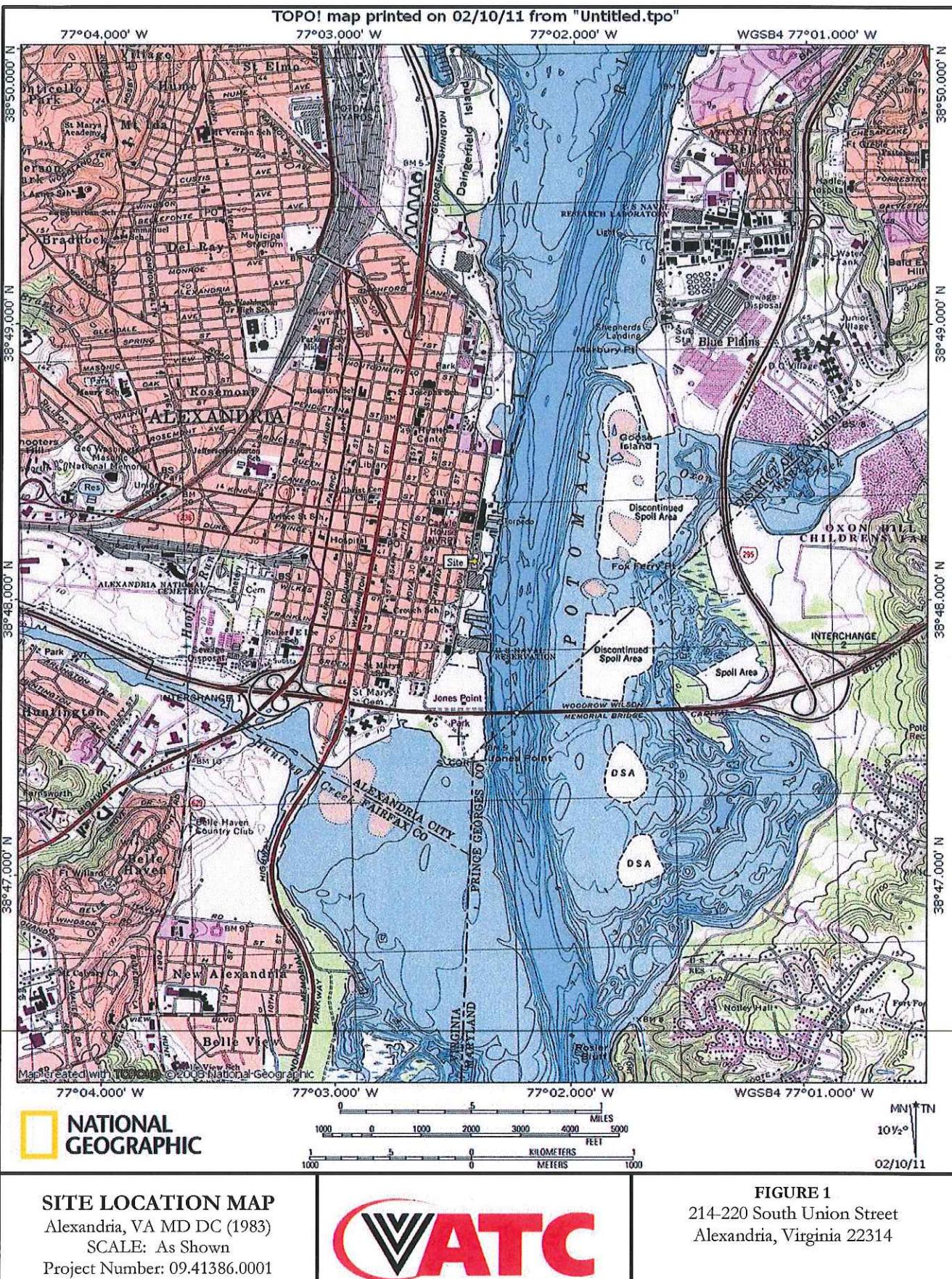


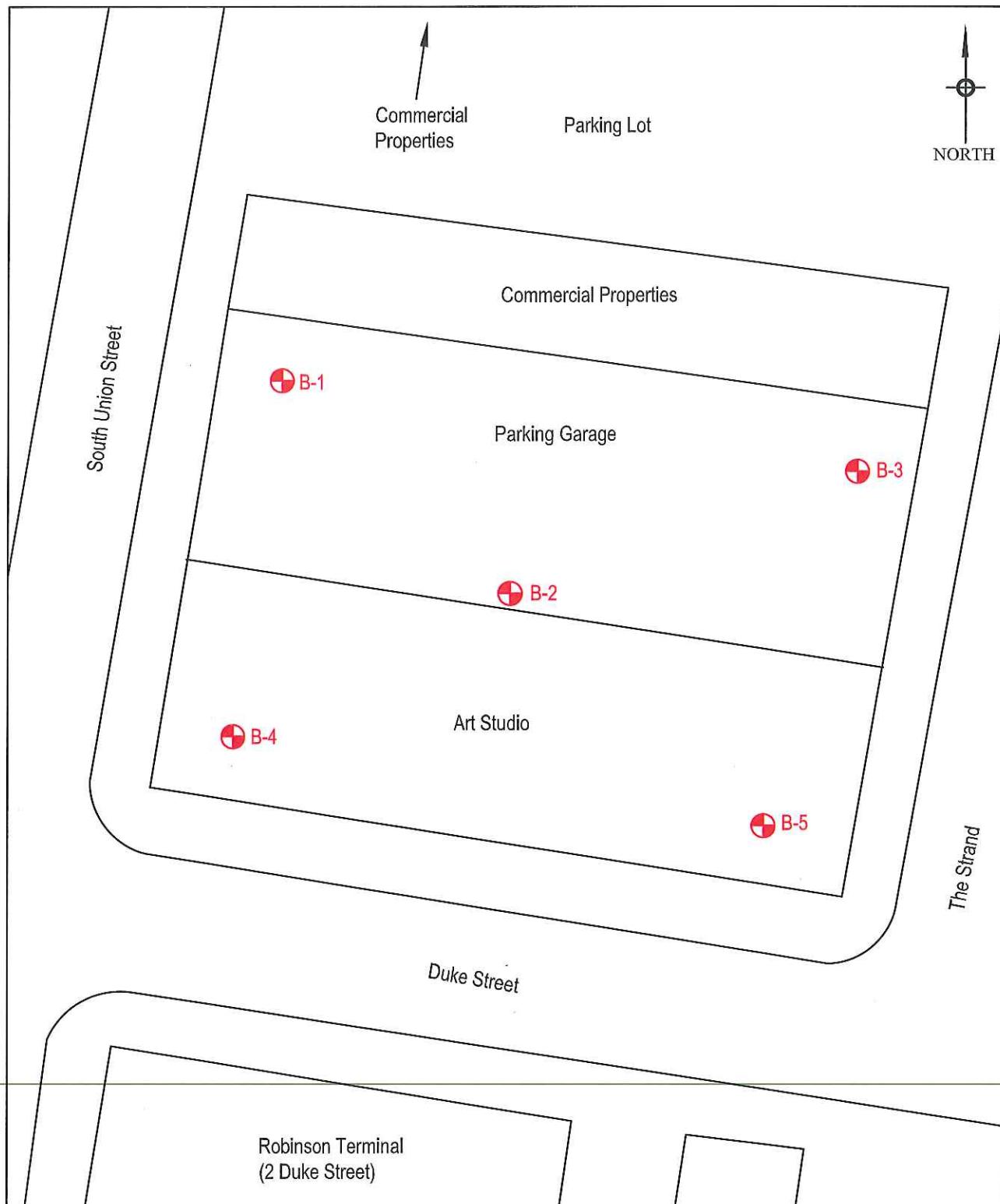
Michael Wolf
Environmental Division Manager

Attachments:

- Figures
- Appendix A – Photographs
- Appendix B – Soil Boring Logs
- Appendix C – Laboratory Analytical Reports

Figures





⊕ = Geoprobe Soil Boring

BORING LOCATION PLAN

DRAWN BY: Jason Yu
 DATE: February 28, 2011
 NOTE: Drawing not to scale
 Project # 09.41386.0001 Task 2



Figure 2
 214-220 South Union Street
 Alexandria, Virginia 22314

Appendix A
Photographs

Limited Subsurface Investigation

214 – 220 South Union Street

Alexandria, Virginia



Photo #1: B-1 location in parking garage.



Photo #2: B-2 location in parking garage.

Limited Subsurface Investigation
214 – 220 South Union Street
Alexandria, Virginia



Photo #3: B-3 location in parking garage.



Photo #4: B-4 location in art studio area.

Limited Subsurface Investigation
214 – 220 South Union Street
Alexandria, Virginia

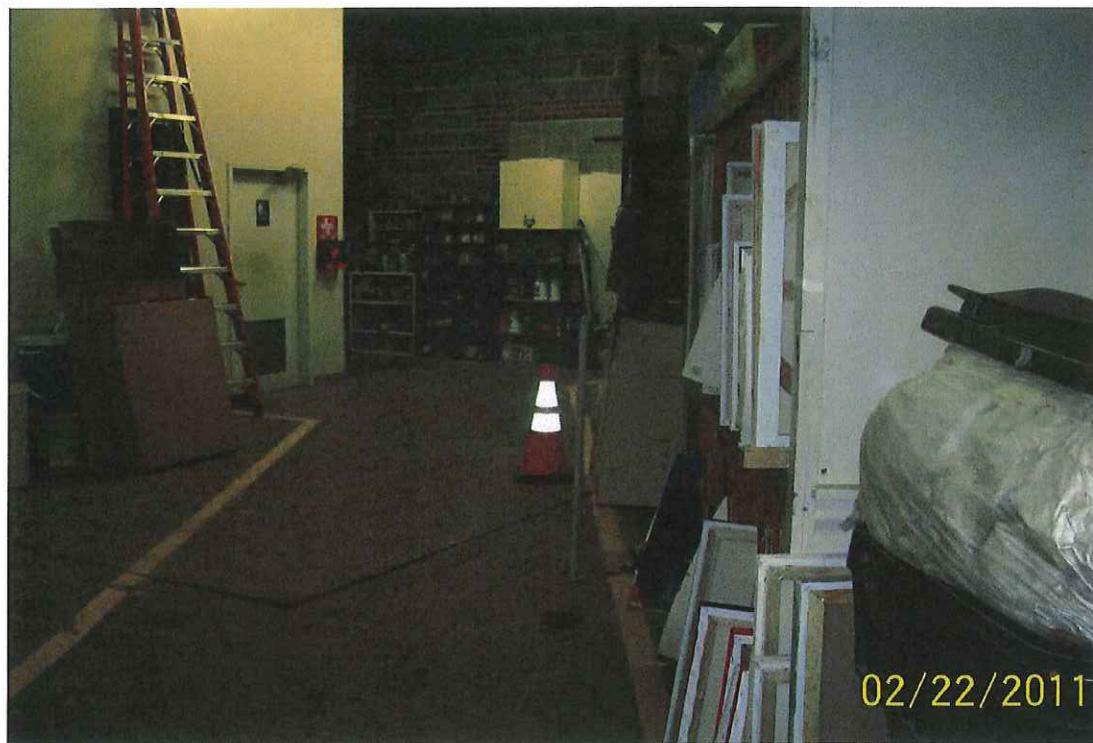


Photo #5: B-5 location in art studio area.

Appendix B

Soil Boring Logs



9231 Rumsey Road
Columbia, MD 21045
Phone: (410) 381-0232
Fax: (410) 381-0247

TEST BORING LOG

CLIENT Carr Hospitality
PROJECT NAME 214-220 South Union Street
PROJECT LOCATION 214-220 South Union Street
Alexandria, Virginia

BORING # B-01
JOB # 09.41386.0001
DRAWN BY LAH
APPROVED BY MW

DRILLING and SAMPLING INFORMATION

Date Started 2/21/2011 Hammer Wt. N/A lbs.
Date Completed 2/21/2011 Hammer Drop N/A in.
Driller ATC Spoon Sampler OD N/A in.
Field Professional Lee Hogg Rock Core Dia. N/A in.
Boring Method Geoprobe Shelby Tube OD N/A in.

TEST DATA

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics	Recovery Graphics	Groundwater	Standard Penetration Test, N - blows/foot	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
SURFACE ELEVATION feet msl													
Concrete floor slab	Silty sand FILL, with gravel, some crushed stone, brick fragments, and concrete fragments, brown, gray, black, and red, moist, no odors	0.4		1	CT								PID = 0.0
		5.0		2	CT								PID = 0.0
	Silty SAND (SM), some gravel, brown, moist, no odors	7.5		3	CT								PID = 0.0
	Wet below 7.5'	10.0											PID = 0.0
	Poorly graded SAND (SP-SM), with silt and organic matter, trace gravel, brown and black, wet, organic odors	12.0											PID = 0.0
													Bottom of boring at 12'; Installed temporary pipe

Sample Type

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings
CT - Continuous Tube

Depth to Groundwater

Noted on Drilling Tools 7.5 ft.
At Completion (in augers) _____ ft.
At Completion (open hole) _____ ft.
After _____ hours _____ ft.
After _____ hours _____ ft.
Cave Depth _____ ft.

Boring Method

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



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Fax: (410) 381-0247

TEST BORING LOG

CLIENT Carr Hospitality BORING # B-02
 PROJECT NAME 214-220 South Union Street JOB # 09.41386.0001
 PROJECT LOCATION 214-220 South Union Street DRAWN BY LAH
Alexandria, Virginia APPROVED BY MW

DRILLING and SAMPLING INFORMATION

Date Started	<u>2/21/2011</u>	Hammer Wt.	<u>N/A</u> lbs.
Date Completed	<u>2/21/2011</u>	Hammer Drop	<u>N/A</u> in.
Driller	<u>ATC</u>	Spoon Sampler OD	<u>N/A</u> in.
Field Professional	<u>Lee Hogg</u>	Rock Core Dia.	<u>N/A</u> in.
Boring Method	<u>Geoprobe</u>	Shelby Tube OD	<u>N/A</u> in.

TEST DATA

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics	Recovery Graphics	Groundwater	Standard Penetration Test, N - blows/foot	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
SURFACE ELEVATION feet msl													
Concrete floor slab		0.5		1	CT								
Silty sand FILL, with gravel and crushed stone, some brick fragments and concrete fragments, brown, gray, and red, moist, no odors		2		CT									PID = 0.0
		5											
		6.0											
Silty SAND (SM), with gravel, brown and gray, moist, no odors		7.5		3	CT								PID = 0.0
Wet below 7.5'		9.0											
Organic matter below 9'		10.0											
Poorly graded SAND (SP-SM), with silt, trace gravel and organic matter, brown, wet, no odors		12.0											PID = 0.0
													PID = 0.0
													Bottom of boring at 12'

Sample Type

SS - Driven Split Spoon
 ST - Pressed Shelby Tube
 CA - Continuous Flight Auger
 RC - Rock Core
 CU - Cuttings
 CT - Continuous Tube

Depth to Groundwater

Noted on Drilling Tools 7.5 ft.
 At Completion (in augers) ft.
 At Completion (open hole) ft.
 After _____ hours _____ ft.
 After _____ hours _____ ft.
 Cave Depth _____ ft.

Boring Method

HSA - Hollow Stem Augers
 CFA - Continuous Flight Augers
 DC - Driving Casing
 MD - Mud Drilling



9231 Rumsey Road
Columbia, MD 21045
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Fax: (410) 381-0247

TEST BORING LOG

CLIENT Carr Hospitality BORING # B-03
 PROJECT NAME 214-220 South Union Street JOB # 09.41386.0001
 PROJECT LOCATION 214-220 South Union Street DRAWN BY LAH
Alexandria, Virginia APPROVED BY MW

DRILLING and SAMPLING INFORMATION

Date Started	<u>2/21/2011</u>	Hammer Wt.	<u>N/A</u> lbs.
Date Completed	<u>2/21/2011</u>	Hammer Drop	<u>N/A</u> in.
Driller	<u>ATC</u>	Spoon Sampler OD	<u>N/A</u> in.
Field Professional	<u>Lee Hogg</u>	Rock Core Dia.	<u>N/A</u> in.
Boring Method	<u>Geoprobe</u>	Shelby Tube OD	<u>N/A</u> in.

TEST DATA

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics Recovery Graphics	Groundwater	Standard Penetration Test, N - blows/foot	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
SURFACE ELEVATION feet msl												
	Concrete floor slab	0.5		1	CT							
	Silty sand FILL, with gravel and crushed stone, some brick fragments, trace concrete fragments, brown, gray, black, and red, moist, no odors			2	CT							PID = 0.0
				5								
		8.0		3	CT							PID = 0.0
	Silty SAND (SM), with gravel, brown and gray, wet, no odors			10								
	Poorly graded SAND (SP-SM), with silt, some organic matter, brown and black, wet, organic odors	10.0		10								PID = 0.0
		12.0										PID = 0.0
												Bottom of boring at 12'; Installed temporary pipe

Sample Type

SS - Driven Split Spoon
 ST - Pressed Shelby Tube
 CA - Continuous Flight Auger
 RC - Rock Core
 CU - Cuttings
 CT - Continuous Tube

Depth to Groundwater

Noted on Drilling Tools 8.0 ft.
 At Completion (in augers) _____ ft.
 At Completion (open hole) _____ ft.
 After _____ hours _____ ft.
 After _____ hours _____ ft.
 Cave Depth _____ ft.

Boring Method

HSA - Hollow Stem Augers
 CFA - Continuous Flight Augers
 DC - Driving Casing
 MD - Mud Drilling



9231 Rumsey Road
Columbia, MD 21045
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Fax: (410) 381-0247

TEST BORING LOG

CLIENT Carr Hospitality BORING # B-04
 PROJECT NAME 214-220 South Union Street JOB # 09.41386.0001
 PROJECT LOCATION 214-220 South Union Street DRAWN BY LAH
Alexandria, Virginia APPROVED BY MW

DRILLING and SAMPLING INFORMATION

Date Started 2/22/2011 Hammer Wt. N/A lbs.
 Date Completed 2/22/2011 Hammer Drop N/A in.
 Driller ATC Spoon Sampler OD N/A in.
 Field Professional Lee Hogg Rock Core Dia. N/A in.
 Boring Method Geoprobe Shelby Tube OD N/A in.

TEST DATA

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics	Recovery Graphics	Groundwater	Standard Penetration Test, N - blows/foot	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
SURFACE ELEVATION feet msl													
Concrete floor slab	Silty sand FILL, with gravel and crushed stone, some cinders and brick fragments, brown, gray, and red, moist, no odors	0.3		1	CT								PID = 0.0
		5.0		2	CT								
Poorly graded SAND (SP-SM), with silt, trace organic matter, brown, moist, no odors		7.0		3	CT								PID = 0.0
Wet below 7'		10											PID = 0.0
		12.0											PID = 0.0
													Bottom of boring at 12'

Sample Type

SS - Driven Split Spoon
 ST - Pressed Shelby Tube
 CA - Continuous Flight Auger
 RC - Rock Core
 CU - Cuttings
 CT - Continuous Tube

Depth to Groundwater

Noted on Drilling Tools 7.0 ft.
 At Completion (in augers) ft.
 At Completion (open hole) ft.
 After hours ft.
 After hours ft.
 Cave Depth ft.

Boring Method

HSA - Hollow Stem Augers
 CFA - Continuous Flight Augers
 DC - Driving Casing
 MD - Mud Drilling



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TEST BORING LOG

CLIENT Carr Hospitality
PROJECT NAME 214-220 South Union Street
PROJECT LOCATION 214-220 South Union Street
Alexandria, Virginia

BORING # B-05
JOB # 09.41386.0001
DRAWN BY LAH
APPROVED BY MW

DRILLING and SAMPLING INFORMATION

Date Started 2/21/2011 Hammer Wt. N/A lbs.
Date Completed 2/22/2011 Hammer Drop N/A in.
Driller ATC Spoon Sampler OD N/A in.
Field Professional Lee Hogg Rock Core Dia. N/A in.
Boring Method Geoprobe Shelby Tube OD N/A in.

TEST DATA

SOIL CLASSIFICATION				Sample Type	Groundwater	Standard Penetration Test, N - blows/foot	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
SURFACE ELEVATION feet msl				Sampler Graphics	Recovery Graphics					
Concrete floor slab		Stratum Depth	Depth Scale	Sample No.						
Silty sand FILL, with gravel, some crushed stone, brick fragments, and concrete fragments, brown, gray, and red, moist, no odors	0.3			1	CT					PID = 0.0
Wet below 7'				2	CT					PID = 0.0
Poorly graded SAND (SP-SM), with silt and organic matter, trace gravel, brown, gray, and black, wet, organic odors	9.0			3	CT					PID = 0.0
	12.0									PID = 0.0
										Bottom of boring at 12'; Installed temporary pipe

Sample Type

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings
CT - Continuous Tube

Depth to Groundwater

Noted on Drilling Tools 7.0 ft.
At Completion (in augers) _____ ft.
At Completion (open hole) _____ ft.
After _____ hours _____ ft.
After _____ hours _____ ft.
Cave Depth _____ ft.

Boring Method

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling

Appendix C
Laboratory Analytical Reports

Analytical Report for

ATC Associates Inc.

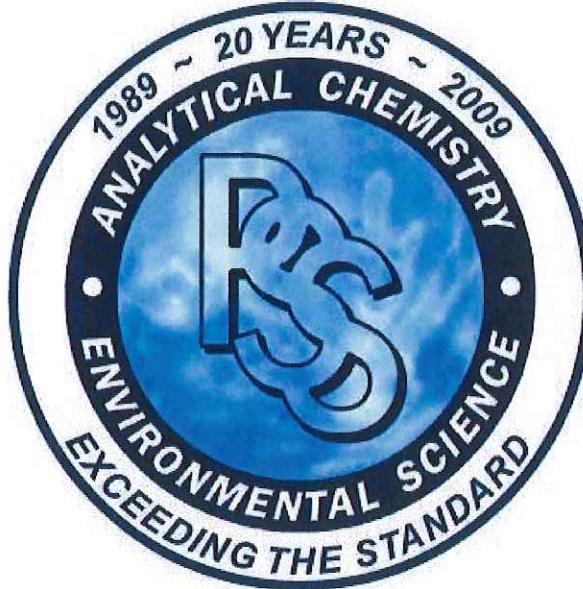
Certificate of Analysis No.: 11022217

Project Manager: Mike Wolf

Project Name : 214-220 Union Street

Project Location: Alexandria, VA

Project ID : 09.41386.0001



March 1, 2011
Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

OFFICES:
6630 BALTIMORE NATIONAL
PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047

**PHASE
SEPARATION
SCIENCE,
INC.**



March 1, 2011

Mike Wolf
ATC Associates Inc.
9231 Rumsey Road
Columbia, MD 21045

Reference: PSS Work Order No: **11022217**
Project Name: 214-220 Union Street
Project Location: Alexandria, VA
Project ID.: 09.41386.0001

Dear Mike Wolf :

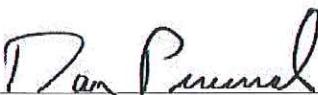
The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **11022217**.

All work reported herein has been performed in accordance with current NELAP standards referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on March 29, 2011. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.



Dan Prucnal
Laboratory Manager



Sample Summary

Client Name: ATC Associates Inc.
Project Name: 214-220 Union Street

Project ID: 09.41386.0001

Work Order Number: 11022217

The following samples were received under chain of custody by Phase Separation Science (PSS) on 02/22/2011 at 04:08 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
11022217-001	B-1, 1-3	SOIL	02/21/2011 22:51
11022217-002	B-2, 7-9	SOIL	02/21/2011 22:44
11022217-003	B-3, 1-3	SOIL	02/21/2011 22:15
11022217-004	B-4, 6-8	SOIL	02/22/2011 00:32
11022217-005	B-5, 1-3	SOIL	02/21/2011 23:59
11022217-006	B-1	GROUND WATER	02/22/2011 01:57
11022217-007	B-3	GROUND WATER	02/22/2011 01:53
11022217-008	B-5	GROUND WATER	02/22/2011 01:43

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than the LOD.
- LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte and matrix specific.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.



Case Narrative Summary

Client Name: ATC Associates Inc.

Project Name: 214-220 Union Street

Project ID: 09.41386.0001

Work Order Number: 11022217

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Sample Receipt:

All sample receipt conditions were acceptable.

Analytical:

TCL Semivolatile Organic Compounds

Batch: 88102 The recovery of the LCS was below the laboratory control limits for some analytes. The recovery of the LCSD was acceptable for all analytes.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1, 1-3

Date/Time Sampled: 02/21/2011 22:51 PSS Sample ID: 11022217-001

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 81

Total Metals

Analytical Method: SW-846 6020 A

Preparation Method: 3050B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Antimony	4.8	mg/kg	2.8		1	02/24/11	02/25/11 21:50	1033
Arsenic	13	mg/kg	0.6		1	02/24/11	02/25/11 21:50	1033
Beryllium	ND	mg/kg	2.8		1	02/24/11	02/25/11 21:50	1033
Cadmium	ND	mg/kg	2.8		1	02/24/11	02/25/11 21:50	1033
Chromium	19	mg/kg	2.8		1	02/24/11	02/25/11 21:50	1033
Copper	59	mg/kg	2.8		1	02/24/11	02/25/11 21:50	1033
Lead	180	mg/kg	2.8		1	02/24/11	02/25/11 21:50	1033
Mercury	0.28	mg/kg	0.11		1	02/24/11	02/25/11 21:50	1033
Nickel	9.6	mg/kg	2.8		1	02/24/11	02/28/11 19:00	1033
Selenium	ND	mg/kg	2.8		1	02/24/11	02/25/11 21:50	1033
Silver	ND	mg/kg	2.8		1	02/24/11	02/25/11 21:50	1033
Thallium	ND	mg/kg	2.2		1	02/24/11	02/25/11 21:50	1033
Zinc	110	mg/kg	11		1	02/24/11	02/28/11 19:00	1033

Total Petroleum Hydrocarbons - DRO

Analytical Method: SW-846 8015 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	5.3	mg/kg	5		1	02/23/11	02/23/11 17:34	1040

Total Petroleum Hydrocarbons-GRO

Analytical Method: SW-846 8015C

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	120		1	02/23/11	02/23/11 16:41	1035

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CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1, 1-3

Matrix: SOIL

Date/Time Sampled: 02/21/2011 22:51 PSS Sample ID: 11022217-001

Date/Time Received: 02/22/2011 16:08

% Solids: 81

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Chloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Vinyl Chloride	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Bromomethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Chloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Acetone	ND	ug/kg	25	1		02/23/11	02/23/11 17:12	1011
Cyclohexane	ND	ug/kg	25	1		02/23/11	02/23/11 17:12	1011
Trichlorofluoromethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,1-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Methylene Chloride	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
trans-1,2-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Methyl-t-butyl ether	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,1-Dichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
2-Butanone (MEK)	ND	ug/kg	25	1		02/23/11	02/23/11 17:12	1011
cis-1,2-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Bromochloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Chloroform	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,1,1-Trichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,2-Dichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Carbon Tetrachloride	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Benzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,2-Dichloropropane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Carbon Disulfide	ND	ug/kg	13	1		02/23/11	02/23/11 17:12	1011
Methylcyclohexane	ND	ug/kg	25	1		02/23/11	02/23/11 17:12	1011
Trichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Methyl Acetate	ND	ug/kg	25	1		02/23/11	02/23/11 17:12	1011
Bromodichloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
cis-1,3-Dichloropropene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
4-Methyl-2-Pentanone	ND	ug/kg	25	1		02/23/11	02/23/11 17:12	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1, 1-3

Matrix: SOIL

Date/Time Sampled: 02/21/2011 22:51 PSS Sample ID: 11022217-001

Date/Time Received: 02/22/2011 16:08

% Solids: 81

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,1,2-Trichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Toluene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
2-Hexanone	ND	ug/kg	25	1		02/23/11	02/23/11 17:12	1011
1,2-Dibromoethane (EDB)	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Dibromochloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Bromoform	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Tetrachloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Chlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Ethylbenzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
m,p-Xylenes	ND	ug/kg	13	1		02/23/11	02/23/11 17:12	1011
Styrene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
o-Xylene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Isopropylbenzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,3-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,4-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,2-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,2-Dibromo-3-Chloropropane	ND	ug/kg	50	1		02/23/11	02/23/11 17:12	1011
1,2,4-Trichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
Naphthalene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011
1,2,3-Trichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 17:12	1011

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CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1, 1-3	Date/Time Sampled: 02/21/2011 22:51	PSS Sample ID: 11022217-001
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 81

TCL Semivolatile Organic Compounds	Analytical Method: SW-846 8270 C	Preparation Method: 3550
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Acenaphthylene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Acetophenone	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Anthracene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Benzo(a)anthracene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Benzo(a)pyrene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Benzo(b)fluoranthene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Benzo(g,h,i)perylene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Benzo(k)fluoranthene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Biphenyl (Diphenyl)	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Butyl benzyl phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
bis(2-chloroethoxy) methane	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
bis(2-chloroethyl) ether	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
4-Bromophenylphenyl ether	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Di-n-butyl phthalate	ND	ug/kg	410	1		02/24/11	02/24/11 15:27	1014
Carbazole	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
4-Chloro-3-methyl phenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
4-Chloroaniline	ND	ug/kg	410	1		02/24/11	02/24/11 15:27	1014
2-Chloronaphthalene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2-Chlorophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
4-Chlorophenyl Phenyl ether	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Chrysene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Dibenz(a,h)Anthracene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Dibenzofuran	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
3,3-Dichlorobenzidine	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2,4-Dichlorophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Diethyl phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Dimethyl phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1, 1-3

Date/Time Sampled: 02/21/2011 22:51 PSS Sample ID: 11022217-001

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 81

TCL Semivolatile Organic Compounds	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
2,4-Dimethylphenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
4,6-Dinitro-2-methyl phenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2,4-Dinitrophenol	ND	ug/kg	410	1		02/24/11	02/24/11 15:27	1014
2,4-Dinitrotoluene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2,6-Dinitrotoluene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Fluoranthene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Fluorene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Hexachlorobenzene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Hexachlorobutadiene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Hexachlorocyclopentadiene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Hexachloroethane	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Isophorone	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2-Methylnaphthalene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2-Methyl phenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
3&4-Methylphenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Naphthalene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
4-Nitroaniline	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
3-Nitroaniline	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2-Nitroaniline	ND	ug/kg	410	1		02/24/11	02/24/11 15:27	1014
Nitrobenzene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2-Nitrophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
4-Nitrophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
N-Nitrosodi-n-propyl amine	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
N-Nitrosodiphenylamine	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Di-n-octyl phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Pentachlorophenol	ND	ug/kg	410	1		02/24/11	02/24/11 15:27	1014
Phenanthrene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Phenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Atrazine	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014

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CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1, 1-3

Date/Time Sampled: 02/21/2011 22:51 PSS Sample ID: 11022217-001

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 81

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Pyrene	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Pyridine	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
Caprolactam	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2,4,6-Trichlorophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014
2,4,5-Trichlorophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:27	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217
ATC Associates Inc., Columbia, MD
 March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-2, 7-9	Date/Time Sampled: 02/21/2011 22:44	PSS Sample ID: 11022217-002
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 71

Total Metals	Analytical Method: SW-846 6020 A				Preparation Method: 3050B			
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	3.0	1		02/24/11	02/25/11 22:21	1033
Arsenic	6.7	mg/kg	0.6	1		02/24/11	02/25/11 22:21	1033
Beryllium	ND	mg/kg	3.0	1		02/24/11	02/25/11 22:21	1033
Cadmium	ND	mg/kg	3.0	1		02/24/11	02/25/11 22:21	1033
Chromium	13	mg/kg	3.0	1		02/24/11	02/25/11 22:21	1033
Copper	11	mg/kg	3.0	1		02/24/11	02/25/11 22:21	1033
Lead	14	mg/kg	3.0	1		02/24/11	02/25/11 22:21	1033
Mercury	ND	mg/kg	0.12	1		02/24/11	02/25/11 22:21	1033
Nickel	10	mg/kg	3.0	1		02/24/11	02/28/11 19:06	1033
Selenium	ND	mg/kg	3.0	1		02/24/11	02/25/11 22:21	1033
Silver	ND	mg/kg	3.0	1		02/24/11	02/25/11 22:21	1033
Thallium	ND	mg/kg	2.4	1		02/24/11	02/25/11 22:21	1033
Zinc	28	mg/kg	12	1		02/24/11	02/25/11 22:21	1033

Total Petroleum Hydrocarbons - DRO	Analytical Method: SW-846 8015 C				Preparation Method: 3550			
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	10	mg/kg	6	1		02/23/11	02/23/11 18:23	1040

Total Petroleum Hydrocarbons-GRO	Analytical Method: SW-846 8015C				Preparation Method: 5030			
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	140	1		02/23/11	02/23/11 17:08	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-2, 7-9

Date/Time Sampled: 02/21/2011 22:44 PSS Sample ID: 11022217-002

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 71

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Chloromethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Vinyl Chloride	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Bromomethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Chloroethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Acetone	36	ug/kg	28	1	1	02/23/11	02/23/11 17:42	1011
Cyclohexane	ND	ug/kg	28	1	1	02/23/11	02/23/11 17:42	1011
Trichlorofluoromethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
1,1-Dichloroethene	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Methylene Chloride	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
trans-1,2-Dichloroethene	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Methyl-t-butyl ether	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
1,1-Dichloroethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
2-Butanone (MEK)	ND	ug/kg	28	1	1	02/23/11	02/23/11 17:42	1011
cis-1,2-Dichloroethene	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Bromochloromethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Chloroform	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
1,1,1-Trichloroethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
1,2-Dichloroethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Carbon Tetrachloride	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Benzene	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
1,2-Dichloropropane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Carbon Disulfide	ND	ug/kg	14	1	1	02/23/11	02/23/11 17:42	1011
Methylcyclohexane	ND	ug/kg	28	1	1	02/23/11	02/23/11 17:42	1011
Trichloroethene	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
Methyl Acetate	ND	ug/kg	28	1	1	02/23/11	02/23/11 17:42	1011
Bromodichloromethane	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
cis-1,3-Dichloropropene	ND	ug/kg	7	1	1	02/23/11	02/23/11 17:42	1011
4-Methyl-2-Pentanone	ND	ug/kg	28	1	1	02/23/11	02/23/11 17:42	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-2, 7-9

Matrix: SOIL

Date/Time Sampled: 02/21/2011 22:44 PSS Sample ID: 11022217-002

Date/Time Received: 02/22/2011 16:08

% Solids: 71

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
1,1,2-Trichloroethane	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
Toluene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
2-Hexanone	ND	ug/kg	28	1		02/23/11	02/23/11 17:42	1011
1,2-Dibromoethane (EDB)	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
Dibromochloromethane	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
Bromoform	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
Tetrachloroethene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
Chlorobenzene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
Ethylbenzene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
m,p-Xylenes	ND	ug/kg	14	1		02/23/11	02/23/11 17:42	1011
Styrene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
1,1,2,2-Tetrachloroethane	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
o-Xylene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
Isopropylbenzene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
1,3-Dichlorobenzene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
1,4-Dichlorobenzene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
1,2-Dichlorobenzene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
1,2-Dibromo-3-Chloropropane	ND	ug/kg	56	1		02/23/11	02/23/11 17:42	1011
1,2,4-Trichlorobenzene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
Naphthalene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011
1,2,3-Trichlorobenzene	ND	ug/kg	7	1		02/23/11	02/23/11 17:42	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-2, 7-9	Date/Time Sampled: 02/21/2011 22:44	PSS Sample ID: 11022217-002
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 71

TCL Semivolatile Organic Compounds	Analytical Method: SW-846 8270 C	Preparation Method: 3550
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Acenaphthylene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Acetophenone	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Anthracene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Benzo(a)anthracene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Benzo(a)pyrene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Benzo(b)fluoranthene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Benzo(g,h,i)perylene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Benzo(k)fluoranthene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Biphenyl (Diphenyl)	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Butyl benzyl phthalate	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
bis(2-chloroethoxy) methane	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
bis(2-chloroethyl) ether	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
bis(2-chloroisopropyl) ether	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
bis(2-ethylhexyl) phthalate	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
4-Bromophenylphenyl ether	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Di-n-butyl phthalate	ND	ug/kg	470	1		02/24/11	02/24/11 15:01	1014
Carbazole	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
4-Chloro-3-methyl phenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
4-Chloroaniline	ND	ug/kg	470	1		02/24/11	02/24/11 15:01	1014
2-Chloronaphthalene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2-Chlorophenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
4-Chlorophenyl Phenyl ether	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Chrysene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Dibenz(a,h)Anthracene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Dibenzofuran	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
3,3-Dichlorobenzidine	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2,4-Dichlorophenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Diethyl phthalate	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Dimethyl phthalate	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-2, 7-9

Date/Time Sampled: 02/21/2011 22:44 PSS Sample ID: 11022217-002

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 71

TCL Semivolatile Organic Compounds	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
2,4-Dimethylphenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
4,6-Dinitro-2-methyl phenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2,4-Dinitrophenol	ND	ug/kg	470	1		02/24/11	02/24/11 15:01	1014
2,4-Dinitrotoluene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2,6-Dinitrotoluene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Fluoranthene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Fluorene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Hexachlorobenzene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Hexachlorobutadiene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Hexachlorocyclopentadiene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Hexachloroethane	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Isophorone	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2-Methylnaphthalene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2-Methyl phenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
3&4-Methylphenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Naphthalene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
4-Nitroaniline	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
3-Nitroaniline	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2-Nitroaniline	ND	ug/kg	470	1		02/24/11	02/24/11 15:01	1014
Nitrobenzene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2-Nitrophenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
4-Nitrophenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
N-Nitrosodi-n-propyl amine	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
N-Nitrosodiphenylamine	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Di-n-octyl phthalate	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Pentachlorophenol	ND	ug/kg	470	1		02/24/11	02/24/11 15:01	1014
Phenanthrene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Phenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Atrazine	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-2, 7-9

Date/Time Sampled: 02/21/2011 22:44 PSS Sample ID: 11022217-002

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 71

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Pyrene	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Pyridine	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
Caprolactam	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2,4,6-Trichlorophenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014
2,4,5-Trichlorophenol	ND	ug/kg	230	1		02/24/11	02/24/11 15:01	1014

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CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3, 1-3

Date/Time Sampled: 02/21/2011 22:15 PSS Sample ID: 11022217-003

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 91

Total Metals

Analytical Method: SW-846 6020 A

Preparation Method: 3050B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.2	1		02/24/11	02/25/11 22:27	1033
Arsenic	2.4	mg/kg	0.4	1		02/24/11	02/25/11 22:27	1033
Beryllium	ND	mg/kg	2.2	1		02/24/11	02/25/11 22:27	1033
Cadmium	ND	mg/kg	2.2	1		02/24/11	02/25/11 22:27	1033
Chromium	14	mg/kg	2.2	1		02/24/11	02/25/11 22:27	1033
Copper	5.7	mg/kg	2.2	1		02/24/11	02/25/11 22:27	1033
Lead	7.7	mg/kg	2.2	1		02/24/11	02/25/11 22:27	1033
Mercury	ND	mg/kg	0.09	1		02/24/11	02/25/11 22:27	1033
Nickel	4.3	mg/kg	2.2	1		02/24/11	02/28/11 19:13	1033
Selenium	ND	mg/kg	2.2	1		02/24/11	02/25/11 22:27	1033
Silver	ND	mg/kg	2.2	1		02/24/11	02/25/11 22:27	1033
Thallium	ND	mg/kg	1.8	1		02/24/11	02/25/11 22:27	1033
Zinc	10	mg/kg	8.8	1		02/24/11	02/25/11 22:27	1033

Total Petroleum Hydrocarbons - DRO

Analytical Method: SW-846 8015 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	7.4	mg/kg	4	1		02/23/11	02/23/11 18:23	1040

Total Petroleum Hydrocarbons-GRO

Analytical Method: SW-846 8015C

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	110	1		02/23/11	02/23/11 17:36	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3, 1-3

Date/Time Sampled: 02/21/2011 22:15 PSS Sample ID: 11022217-003

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 91

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Chloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Vinyl Chloride	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Bromomethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Chloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Acetone	ND	ug/kg	22	1		02/23/11	02/23/11 18:11	1011
Cyclohexane	ND	ug/kg	22	1		02/23/11	02/23/11 18:11	1011
Trichlorofluoromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,1-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Methylene Chloride	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
trans-1,2-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Methyl-t-butyl ether	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,1-Dichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
2-Butanone (MEK)	ND	ug/kg	22	1		02/23/11	02/23/11 18:11	1011
cis-1,2-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Bromochloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Chloroform	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,1,1-Trichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,2-Dichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Carbon Tetrachloride	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Benzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,2-Dichloropropane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Carbon Disulfide	ND	ug/kg	11	1		02/23/11	02/23/11 18:11	1011
Methylcyclohexane	ND	ug/kg	22	1		02/23/11	02/23/11 18:11	1011
Trichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Methyl Acetate	ND	ug/kg	22	1		02/23/11	02/23/11 18:11	1011
Bromodichloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
cis-1,3-Dichloropropene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
4-Methyl-2-Pentanone	ND	ug/kg	22	1		02/23/11	02/23/11 18:11	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3, 1-3	Date/Time Sampled: 02/21/2011 22:15	PSS Sample ID: 11022217-003
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 91

TCL Volatile Organic Compounds	Analytical Method: SW-846 8260 B	Preparation Method: 5030
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,1,2-Trichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Toluene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
2-Hexanone	ND	ug/kg	22	1		02/23/11	02/23/11 18:11	1011
1,2-Dibromoethane (EDB)	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Dibromochloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Bromoform	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Tetrachloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Chlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Ethylbenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
m,p-Xylenes	ND	ug/kg	11	1		02/23/11	02/23/11 18:11	1011
Styrene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
o-Xylene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Isopropylbenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,3-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,4-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,2-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,2-Dibromo-3-Chloropropane	ND	ug/kg	45	1		02/23/11	02/23/11 18:11	1011
1,2,4-Trichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
Naphthalene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011
1,2,3-Trichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:11	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3, 1-3	Date/Time Sampled: 02/21/2011 22:15	PSS Sample ID: 11022217-003
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 91

TCL Semivolatile Organic Compounds	Analytical Method: SW-846 8270 C	Preparation Method: 3550
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Acenaphthylene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Acetophenone	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Anthracene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Benzo(a)anthracene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Benzo(a)pyrene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Benzo(b)fluoranthene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Benzo(g,h,i)perylene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Benzo(k)fluoranthene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Biphenyl (Diphenyl)	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Butyl benzyl phthalate	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
bis(2-chloroethoxy) methane	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
bis(2-chloroethyl) ether	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
bis(2-chloroisopropyl) ether	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
bis(2-ethylhexyl) phthalate	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
4-Bromophenylphenyl ether	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Di-n-butyl phthalate	ND	ug/kg	3,600	10		02/24/11	02/24/11 21:28	1014
Carbazole	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
4-Chloro-3-methyl phenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
4-Chloroaniline	ND	ug/kg	3,600	10		02/24/11	02/24/11 21:28	1014
2-Chloronaphthalene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2-Chlorophenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
4-Chlorophenyl Phenyl ether	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Chrysene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Dibenz(a,h)Anthracene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Dibenzofuran	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
3,3-Dichlorobenzidine	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2,4-Dichlorophenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Diethyl phthalate	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Dimethyl phthalate	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3, 1-3	Date/Time Sampled: 02/21/2011 22:15	PSS Sample ID: 11022217-003
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 91

TCL Semivolatile Organic Compounds	Analytical Method: SW-846 8270 C				Preparation Method: 3550			
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
2,4-Dimethylphenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
4,6-Dinitro-2-methyl phenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2,4-Dinitrophenol	ND	ug/kg	3,600	10		02/24/11	02/24/11 21:28	1014
2,4-Dinitrotoluene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2,6-Dinitrotoluene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Fluoranthene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Fluorene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Hexachlorobenzene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Hexachlorobutadiene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Hexachlorocyclopentadiene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Hexachloroethane	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Isophorone	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2-Methylnaphthalene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2-Methyl phenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
3&4-Methylphenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Naphthalene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
4-Nitroaniline	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
3-Nitroaniline	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2-Nitroaniline	ND	ug/kg	3,600	10		02/24/11	02/24/11 21:28	1014
Nitrobenzene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2-Nitrophenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
4-Nitrophenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
N-Nitrosodi-n-propyl amine	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
N-Nitrosodiphenylamine	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Di-n-octyl phthalate	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Pentachlorophenol	ND	ug/kg	3,600	10		02/24/11	02/24/11 21:28	1014
Phenanthrene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Phenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Atrazine	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD
March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3, 1-3

Date/Time Sampled: 02/21/2011 22:15 PSS Sample ID: 11022217-003

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 91

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Pyrene	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Pyridine	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
Caprolactam	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2,4,6-Trichlorophenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014
2,4,5-Trichlorophenol	ND	ug/kg	1,800	10		02/24/11	02/24/11 21:28	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-4, 6-8

Date/Time Sampled: 02/22/2011 00:32 PSS Sample ID: 11022217-004

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 82

Total Metals

Analytical Method: SW-846 6020 A

Preparation Method: 3050B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.3	1		02/24/11	02/25/11 22:34	1033
Arsenic	2.6	mg/kg	0.5	1		02/24/11	02/25/11 22:34	1033
Beryllium	ND	mg/kg	2.3	1		02/24/11	02/25/11 22:34	1033
Cadmium	ND	mg/kg	2.3	1		02/24/11	02/25/11 22:34	1033
Chromium	7.4	mg/kg	2.3	1		02/24/11	02/25/11 22:34	1033
Copper	3.5	mg/kg	2.3	1		02/24/11	02/25/11 22:34	1033
Lead	4.2	mg/kg	2.3	1		02/24/11	02/25/11 22:34	1033
Mercury	ND	mg/kg	0.09	1		02/24/11	02/25/11 22:34	1033
Nickel	5.4	mg/kg	2.3	1		02/24/11	02/28/11 19:19	1033
Selenium	ND	mg/kg	2.3	1		02/24/11	02/25/11 22:34	1033
Silver	ND	mg/kg	2.3	1		02/24/11	02/25/11 22:34	1033
Thallium	ND	mg/kg	1.8	1		02/24/11	02/25/11 22:34	1033
Zinc	14	mg/kg	9.1	1		02/24/11	02/25/11 22:34	1033

Total Petroleum Hydrocarbons - DRO

Analytical Method: SW-846 8015 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/kg	5	1		02/23/11	02/23/11 18:48	1040

Total Petroleum Hydrocarbons-GRO

Analytical Method: SW-846 8015C

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	120	1		02/24/11	02/24/11 13:27	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217
ATC Associates Inc., Columbia, MD
 March 1, 2011

Project Name: 214-220 Union Street
 Project Location: Alexandria, VA
 Project ID: 09.41386.0001

Sample ID: B-4, 6-8	Date/Time Sampled: 02/22/2011 00:32	PSS Sample ID: 11022217-004
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 82

TCL Volatile Organic Compounds		Analytical Method: SW-846 8260 B					Preparation Method: 5030	
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Chloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Vinyl Chloride	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Bromomethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Chloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Acetone	ND	ug/kg	25	1		02/23/11	02/23/11 18:41	1011
Cyclohexane	ND	ug/kg	25	1		02/23/11	02/23/11 18:41	1011
Trichlorofluoromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,1-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Methylene Chloride	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
trans-1,2-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Methyl-t-butyl ether	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,1-Dichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
2-Butanone (MEK)	ND	ug/kg	25	1		02/23/11	02/23/11 18:41	1011
cis-1,2-Dichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Bromochloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Chloroform	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,1,1-Trichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,2-Dichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Carbon Tetrachloride	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Benzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,2-Dichloropropane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Carbon Disulfide	ND	ug/kg	12	1		02/23/11	02/23/11 18:41	1011
Methylcyclohexane	ND	ug/kg	25	1		02/23/11	02/23/11 18:41	1011
Trichloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Methyl Acetate	ND	ug/kg	25	1		02/23/11	02/23/11 18:41	1011
Bromodichloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
cis-1,3-Dichloropropene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
4-Methyl-2-Pentanone	ND	ug/kg	25	1		02/23/11	02/23/11 18:41	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-4, 6-8

Date/Time Sampled: 02/22/2011 00:32 PSS Sample ID: 11022217-004

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 82

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,1,2-Trichloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Toluene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
2-Hexanone	ND	ug/kg	25	1		02/23/11	02/23/11 18:41	1011
1,2-Dibromoethane (EDB)	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Dibromochloromethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Bromoform	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Tetrachloroethene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Chlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Ethylbenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
m,p-Xylenes	ND	ug/kg	12	1		02/23/11	02/23/11 18:41	1011
Styrene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
o-Xylene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Isopropylbenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,3-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,4-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,2-Dichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,2-Dibromo-3-Chloropropane	ND	ug/kg	50	1		02/23/11	02/23/11 18:41	1011
1,2,4-Trichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
Naphthalene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011
1,2,3-Trichlorobenzene	ND	ug/kg	6	1		02/23/11	02/23/11 18:41	1011

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CERTIFICATE OF ANALYSIS

No: 11022217

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March 1, 2011

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Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-4, 6-8

Date/Time Sampled: 02/22/2011 00:32 PSS Sample ID: 11022217-004

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 82

TCL Semivolatile Organic Compounds	Analytical Method: SW-846 8270 C				Preparation Method: 3550			
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Acenaphthylene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Acetophenone	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Anthracene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Benzo(a)anthracene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Benzo(a)pyrene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Benzo(b)fluoranthene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Benzo(g,h,i)perylene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Benzo(k)fluoranthene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Biphenyl (Diphenyl)	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Butyl benzyl phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
bis(2-chloroethoxy) methane	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
bis(2-chloroethyl) ether	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
4-Bromophenylphenyl ether	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Di-n-butyl phthalate	ND	ug/kg	410	1		02/24/11	02/24/11 15:53	1014
Carbazole	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
4-Chloro-3-methyl phenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
4-Chloroaniline	ND	ug/kg	410	1		02/24/11	02/24/11 15:53	1014
2-Chloronaphthalene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2-Chlorophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
4-Chlorophenyl Phenyl ether	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Chrysene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Dibenz(a,h)Anthracene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Dibenzofuran	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
3,3-Dichlorobenzidine	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2,4-Dichlorophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Diethyl phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Dimethyl phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-4, 6-8	Date/Time Sampled: 02/22/2011 00:32	PSS Sample ID: 11022217-004
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 82

TCL Semivolatile Organic Compounds	Analytical Method: SW-846 8270 C				Preparation Method: 3550			
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
2,4-Dimethylphenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
4,6-Dinitro-2-methyl phenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2,4-Dinitrophenol	ND	ug/kg	410	1		02/24/11	02/24/11 15:53	1014
2,4-Dinitrotoluene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2,6-Dinitrotoluene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Fluoranthene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Fluorene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Hexachlorobenzene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Hexachlorobutadiene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Hexachlorocyclopentadiene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Hexachloroethane	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Isophorone	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2-Methylnaphthalene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2-Methyl phenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
3&4-Methylphenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Naphthalene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
4-Nitroaniline	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
3-Nitroaniline	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2-Nitroaniline	ND	ug/kg	410	1		02/24/11	02/24/11 15:53	1014
Nitrobenzene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2-Nitrophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
4-Nitrophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
N-Nitrosodi-n-propyl amine	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
N-Nitrosodiphenylamine	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Di-n-octyl phthalate	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Pentachlorophenol	ND	ug/kg	410	1		02/24/11	02/24/11 15:53	1014
Phenanthrene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Phenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Atrazine	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-4, 6-8

Date/Time Sampled: 02/22/2011 00:32 PSS Sample ID: 11022217-004

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 82

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Pyrene	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Pyridine	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
Caprolactam	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2,4,6-Trichlorophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014
2,4,5-Trichlorophenol	ND	ug/kg	200	1		02/24/11	02/24/11 15:53	1014

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CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5, 1-3

Date/Time Sampled: 02/21/2011 23:59 PSS Sample ID: 11022217-005

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 88

Total Metals

Analytical Method: SW-846 6020 A

Preparation Method: 3050B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.7	1		02/24/11	02/25/11 23:00	1033
Arsenic	4.5	mg/kg	0.5	1		02/24/11	02/25/11 23:00	1033
Beryllium	ND	mg/kg	2.7	1		02/24/11	02/25/11 23:00	1033
Cadmium	ND	mg/kg	2.7	1		02/24/11	02/25/11 23:00	1033
Chromium	22	mg/kg	2.7	1		02/24/11	02/25/11 23:00	1033
Copper	11	mg/kg	2.7	1		02/24/11	02/25/11 23:00	1033
Lead	17	mg/kg	2.7	1		02/24/11	02/25/11 23:00	1033
Mercury	ND	mg/kg	0.11	1		02/24/11	02/25/11 23:00	1033
Nickel	7.8	mg/kg	2.7	1		02/24/11	02/28/11 19:25	1033
Selenium	ND	mg/kg	2.7	1		02/24/11	02/25/11 23:00	1033
Silver	ND	mg/kg	2.7	1		02/24/11	02/25/11 23:00	1033
Thallium	ND	mg/kg	2.1	1		02/24/11	02/25/11 23:00	1033
Zinc	25	mg/kg	11	1		02/24/11	02/25/11 23:00	1033

Total Petroleum Hydrocarbons - DRO

Analytical Method: SW-846 8015 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/kg	4	1		02/23/11	02/23/11 19:12	1040

Total Petroleum Hydrocarbons-GRO

Analytical Method: SW-846 8015C

Preparation Method: 5030

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	110	1		02/24/11	02/24/11 13:55	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217
ATC Associates Inc., Columbia, MD
 March 1, 2011

Project Name: 214-220 Union Street
 Project Location: Alexandria, VA
 Project ID: 09.41386.0001

Sample ID: B-5, 1-3	Date/Time Sampled: 02/21/2011 23:59	PSS Sample ID: 11022217-005
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 88

TCL Volatile Organic Compounds	Analytical Method: SW-846 8260 B				Preparation Method: 5030			
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Chloromethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Vinyl Chloride	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Bromomethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Chloroethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Acetone	ND	ug/kg	22	1	1	02/23/11	02/23/11 19:11	1011
Cyclohexane	ND	ug/kg	22	1	1	02/23/11	02/23/11 19:11	1011
Trichlorofluoromethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
1,1-Dichloroethene	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Methylene Chloride	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
trans-1,2-Dichloroethene	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Methyl-t-butyl ether	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
1,1-Dichloroethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
2-Butanone (MEK)	ND	ug/kg	22	1	1	02/23/11	02/23/11 19:11	1011
cis-1,2-Dichloroethene	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Bromochloromethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Chloroform	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
1,1,1-Trichloroethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
1,2-Dichloroethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Carbon Tetrachloride	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Benzene	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
1,2-Dichloropropane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Carbon Disulfide	ND	ug/kg	11	1	1	02/23/11	02/23/11 19:11	1011
Methylcyclohexane	ND	ug/kg	22	1	1	02/23/11	02/23/11 19:11	1011
Trichloroethene	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
Methyl Acetate	ND	ug/kg	22	1	1	02/23/11	02/23/11 19:11	1011
Bromodichloromethane	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
cis-1,3-Dichloropropene	ND	ug/kg	6	1	1	02/23/11	02/23/11 19:11	1011
4-Methyl-2-Pentanone	ND	ug/kg	22	1	1	02/23/11	02/23/11 19:11	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5, 1-3	Date/Time Sampled: 02/21/2011 23:59 PSS Sample ID: 11022217-005					
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08 % Solids: 88					
TCL Volatile Organic Compounds	Analytical Method: SW-846 8260 B				Preparation Method: 5030	
	Result	Units	RL	Flag	Dil	Prepared Analyzed Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
1,1,2-Trichloroethane	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
Toluene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
2-Hexanone	ND	ug/kg	22	1		02/23/11 02/23/11 19:11 1011
1,2-Dibromoethane (EDB)	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
Dibromochloromethane	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
Bromoform	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
Tetrachloroethene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
Chlorobenzene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
Ethylbenzene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
m,p-Xylenes	ND	ug/kg	11	1		02/23/11 02/23/11 19:11 1011
Styrene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
o-Xylene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
Isopropylbenzene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
1,3-Dichlorobenzene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
1,4-Dichlorobenzene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
1,2-Dichlorobenzene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
1,2-Dibromo-3-Chloropropane	ND	ug/kg	45	1		02/23/11 02/23/11 19:11 1011
1,2,4-Trichlorobenzene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
Naphthalene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011
1,2,3-Trichlorobenzene	ND	ug/kg	6	1		02/23/11 02/23/11 19:11 1011

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CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5, 1-3

Date/Time Sampled: 02/21/2011 23:59 PSS Sample ID: 11022217-005

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 88

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Acenaphthylene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Acetophenone	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Anthracene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Benzo(a)anthracene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Benzo(a)pyrene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Benzo(b)fluoranthene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Benzo(g,h,i)perylene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Benzo(k)fluoranthene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Biphenyl (Diphenyl)	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Butyl benzyl phthalate	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
bis(2-chloroethoxy) methane	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
bis(2-chloroethyl) ether	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
bis(2-chloroisopropyl) ether	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
bis(2-ethylhexyl) phthalate	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
4-Bromophenylphenyl ether	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Di-n-butyl phthalate	ND	ug/kg	380	1		02/24/11	02/24/11 21:02	1014
Carbazole	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
4-Chloro-3-methyl phenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
4-Chloroaniline	ND	ug/kg	380	1		02/24/11	02/24/11 21:02	1014
2-Chloronaphthalene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2-Chlorophenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
4-Chlorophenyl Phenyl ether	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Chrysene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Dibenz(a,h)Anthracene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Dibenzofuran	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
3,3-Dichlorobenzidine	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2,4-Dichlorophenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Diethyl phthalate	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Dimethyl phthalate	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014

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CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5, 1-3	Date/Time Sampled: 02/21/2011 23:59	PSS Sample ID: 11022217-005
Matrix: SOIL	Date/Time Received: 02/22/2011 16:08	% Solids: 88

TCL Semivolatile Organic Compounds	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
2,4-Dimethylphenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
4,6-Dinitro-2-methyl phenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2,4-Dinitrophenol	ND	ug/kg	380	1		02/24/11	02/24/11 21:02	1014
2,4-Dinitrotoluene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2,6-Dinitrotoluene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Fluoranthene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Fluorene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Hexachlorobenzene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Hexachlorobutadiene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Hexachlorocyclopentadiene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Hexachloroethane	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Isophorone	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2-Methylnaphthalene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2-Methyl phenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
3&4-Methylphenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Naphthalene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
4-Nitroaniline	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
3-Nitroaniline	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2-Nitroaniline	ND	ug/kg	380	1		02/24/11	02/24/11 21:02	1014
Nitrobenzene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2-Nitrophenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
4-Nitrophenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
N-Nitrosodi-n-propyl amine	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
N-Nitrosodiphenylamine	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Di-n-octyl phthalate	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Pentachlorophenol	ND	ug/kg	380	1		02/24/11	02/24/11 21:02	1014
Phenanthrene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Phenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Atrazine	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5, 1-3

Date/Time Sampled: 02/21/2011 23:59 PSS Sample ID: 11022217-005

Matrix: SOIL

Date/Time Received: 02/22/2011 16:08

% Solids: 88

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3550

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Pyrene	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Pyridine	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
Caprolactam	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2,4,6-Trichlorophenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014
2,4,5-Trichlorophenol	ND	ug/kg	190	1		02/24/11	02/24/11 21:02	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1	Date/Time Sampled: 02/22/2011 01:57 PSS Sample ID: 11022217-006						
Matrix: GROUND WATER	Date/Time Received: 02/22/2011 16:08						

Dissolved PP Metals	Analytical Method: SW-846 6020 A				Preparation Method: 3005A		
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Antimony	ND	ug/L	1.0	1		02/28/11	02/28/11 22:40	1033
Arsenic	ND	ug/L	1.0	1		02/28/11	02/28/11 22:40	1033
Beryllium	ND	ug/L	1.0	1		02/28/11	03/01/11 14:51	1033
Cadmium	ND	ug/L	1.0	1		02/28/11	02/28/11 22:40	1033
Chromium	ND	ug/L	1.0	1		02/28/11	03/01/11 14:51	1033
Copper	ND	ug/L	1.0	1		02/28/11	03/01/11 14:51	1033
Lead	ND	ug/L	1.0	1		02/28/11	02/28/11 22:40	1033
Mercury	ND	ug/L	0.20	1		02/28/11	03/01/11 14:51	1033
Nickel	1.2	ug/L	1.0	1		02/28/11	03/01/11 14:51	1033
Selenium	ND	ug/L	1.0	1		02/28/11	02/28/11 22:40	1033
Silver	ND	ug/L	1.0	1		02/28/11	02/28/11 22:40	1033
Thallium	ND	ug/L	1.0	1		02/28/11	02/28/11 22:40	1033
Zinc	ND	ug/L	20	1		02/28/11	03/01/11 14:51	1033

Total Petroleum Hydrocarbons - DRO	Analytical Method: SW-846 8015 C				Preparation Method: 3510C		
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.1	1		02/24/11	02/24/11 18:16	1040

Total Petroleum Hydrocarbons-GRO	Analytical Method: SW-846 8015C				Preparation Method: 5030B		
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100	1		02/23/11	02/23/11 12:33	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217
ATC Associates Inc., Columbia, MD
 March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1	Date/Time Sampled: 02/22/2011 01:57	PSS Sample ID: 11022217-006
Matrix: GROUND WATER	Date/Time Received: 02/22/2011 16:08	

TCL Volatile Organic Compounds	Analytical Method: SW-846 8260 B	Preparation Method: 5030B
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Chloromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Vinyl Chloride	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Bromomethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Chloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Acetone	ND	ug/L	10	1	1	02/24/11	02/24/11 15:58	1011
Cyclohexane	ND	ug/L	10	1	1	02/24/11	02/24/11 15:58	1011
Trichlorofluoromethane	ND	ug/L	5	1	1	02/24/11	02/24/11 15:58	1011
1,1-Dichloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Methylene Chloride	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
trans-1,2-Dichloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Methyl-t-butyl ether	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
1,1-Dichloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
2-Butanone (MEK)	ND	ug/L	10	1	1	02/24/11	02/24/11 15:58	1011
cis-1,2-Dichloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Bromochloromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Chloroform	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
1,1,1-Trichloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
1,2-Dichloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Carbon Tetrachloride	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Benzene	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
1,2-Dichloropropane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Methyl Acetate	ND	ug/L	10	1	1	02/24/11	02/24/11 15:58	1011
Methylcyclohexane	ND	ug/L	10	1	1	02/24/11	02/24/11 15:58	1011
Trichloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
Carbon Disulfide	ND	ug/L	10	1	1	02/24/11	02/24/11 15:58	1011
Bromodichloromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
cis-1,3-Dichloropropene	ND	ug/L	1	1	1	02/24/11	02/24/11 15:58	1011
4-Methyl-2-Pentanone	ND	ug/L	5	1	1	02/24/11	02/24/11 15:58	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:57 PSS Sample ID: 11022217-006

Date/Time Received: 02/22/2011 16:08

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
1,1,2-Trichloroethane	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
Toluene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
2-Hexanone	ND	ug/L	10	1		02/24/11	02/24/11 15:58	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
Dibromochloromethane	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
Bromoform	ND	ug/L	5	1		02/24/11	02/24/11 15:58	1011
Tetrachloroethene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
Chlorobenzene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
Ethylbenzene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
m,p-Xylenes	ND	ug/L	2	1		02/24/11	02/24/11 15:58	1011
Styrene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
o-Xylene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
Isopropylbenzene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
1,3-Dichlorobenzene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
1,4-Dichlorobenzene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
1,2-Dichlorobenzene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10	1		02/24/11	02/24/11 15:58	1011
1,2,4-Trichlorobenzene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
Naphthalene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011
1,2,3-Trichlorobenzene	ND	ug/L	1	1		02/24/11	02/24/11 15:58	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:57 PSS Sample ID: 11022217-006

Date/Time Received: 02/22/2011 16:08

TCL Semivolatile Organic Compounds	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Acenaphthylene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Acetophenone	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Anthracene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Caprolactam	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Biphenyl (Diphenyl)	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Atrazine	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Benzo(a)anthracene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Benzo(a)pyrene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Benzo(b)fluoranthene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Benzo(g,h,i)perylene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Benzo(k)fluoranthene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Butyl benzyl phthalate	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
bis(2-chloroethoxy) methane	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
bis(2-chloroethyl) ether	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
bis(2-chloroisopropyl) ether	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
bis(2-ethylhexyl) phthalate	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
4-Bromophenylphenyl ether	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Di-n-butyl phthalate	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Carbazole	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
4-Chloro-3-methyl phenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
4-Chloroaniline	ND	ug/L	11	1		02/23/11	02/23/11 20:48	1014
2-Chloronaphthalene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2-Chlorophenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
4-Chlorophenyl Phenyl ether	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Chrysene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Dibenz(a,h)Anthracene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Dibenzofuran	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
3,3-Dichlorobenzidine	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2,4-Dichlorophenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:57 PSS Sample ID: 11022217-006

Date/Time Received: 02/22/2011 16:08

TCL Semivolatile Organic Compounds	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Diethyl phthalate	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Dimethyl phthalate	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2,4-Dimethylphenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
4,6-Dinitro-2-methyl phenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2,4-Dinitrophenol	ND	ug/L	11	1		02/23/11	02/23/11 20:48	1014
2,4-Dinitrotoluene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2,6-Dinitrotoluene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Fluoranthene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Fluorene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Hexachlorobenzene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Hexachlorobutadiene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Hexachlorocyclopentadiene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Hexachloroethane	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Isophorone	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2-Methylnaphthalene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2-Methyl phenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
3&4-Methylphenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Naphthalene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
4-Nitroaniline	ND	ug/L	11	1		02/23/11	02/23/11 20:48	1014
3-Nitroaniline	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2-Nitroaniline	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Nitrobenzene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2-Nitrophenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
4-Nitrophenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
N-Nitrosodi-n-propyl amine	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
N-Nitrosodiphenylamine	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Di-n-octyl phthalate	ND	ug/L	11	1		02/23/11	02/23/11 20:48	1014
Pentachlorophenol	ND	ug/L	11	1		02/23/11	02/23/11 20:48	1014
Phenanthrene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-1

Date/Time Sampled: 02/22/2011 01:57 PSS Sample ID: 11022217-006

Matrix: GROUND WATER

Date/Time Received: 02/22/2011 16:08

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Phenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Pyrene	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
Pyridine	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2,4,6-Trichlorophenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014
2,4,5-Trichlorophenol	ND	ug/L	5	1		02/23/11	02/23/11 20:48	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3	Date/Time Sampled: 02/22/2011 01:53 PSS Sample ID: 11022217-007						
Matrix: GROUND WATER	Date/Time Received: 02/22/2011 16:08						

Dissolved PP Metals	Analytical Method: SW-846 6020 A				Preparation Method: 3005A		
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Antimony	ND	ug/L	1.0	1		02/28/11	02/28/11 22:46	1033
Arsenic	2.1	ug/L	1.0	1		02/28/11	02/28/11 22:46	1033
Beryllium	ND	ug/L	1.0	1		02/28/11	03/01/11 14:57	1033
Cadmium	ND	ug/L	1.0	1		02/28/11	02/28/11 22:46	1033
Chromium	2.8	ug/L	1.0	1		02/28/11	03/01/11 14:57	1033
Copper	ND	ug/L	1.0	1		02/28/11	03/01/11 14:57	1033
Lead	ND	ug/L	1.0	1		02/28/11	02/28/11 22:46	1033
Mercury	ND	ug/L	0.20	1		02/28/11	03/01/11 14:57	1033
Nickel	ND	ug/L	1.0	1		02/28/11	03/01/11 14:57	1033
Selenium	4.1	ug/L	1.0	1		02/28/11	02/28/11 22:46	1033
Silver	ND	ug/L	1.0	1		02/28/11	02/28/11 22:46	1033
Thallium	ND	ug/L	1.0	1		02/28/11	02/28/11 22:46	1033
Zinc	ND	ug/L	20	1		02/28/11	03/01/11 14:57	1033

Total Petroleum Hydrocarbons - DRO	Analytical Method: SW-846 8015 C				Preparation Method: 3510C		
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	ND	mg/L	0.1	1		02/24/11	02/24/11 18:38	1040

Total Petroleum Hydrocarbons-GRO	Analytical Method: SW-846 8015C				Preparation Method: 5030B		
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	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100	1		02/23/11	02/23/11 13:00	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3	Date/Time Sampled: 02/22/2011 01:53 PSS Sample ID: 11022217-007					
Matrix: GROUND WATER	Date/Time Received: 02/22/2011 16:08					
TCL Volatile Organic Compounds	Analytical Method: SW-846 8260 B			Preparation Method: 5030B		
	Result	Units	RL	Flag	Dil	
Dichlorodifluoromethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Chloromethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Vinyl Chloride	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Bromomethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Chloroethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Acetone	ND	ug/L	10	1	1	02/24/11 02/24/11 16:27 1011
Cyclohexane	ND	ug/L	10	1	1	02/24/11 02/24/11 16:27 1011
Trichlorofluoromethane	ND	ug/L	5	1	1	02/24/11 02/24/11 16:27 1011
1,1-Dichloroethene	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Methylene Chloride	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
trans-1,2-Dichloroethene	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Methyl-t-butyl ether	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
1,1-Dichloroethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
2-Butanone (MEK)	ND	ug/L	10	1	1	02/24/11 02/24/11 16:27 1011
cis-1,2-Dichloroethene	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Bromochloromethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Chloroform	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
1,1,1-Trichloroethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
1,2-Dichloroethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Carbon Tetrachloride	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Benzene	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
1,2-Dichloropropane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Methyl Acetate	ND	ug/L	10	1	1	02/24/11 02/24/11 16:27 1011
Methylcyclohexane	ND	ug/L	10	1	1	02/24/11 02/24/11 16:27 1011
Trichloroethene	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
Carbon Disulfide	ND	ug/L	10	1	1	02/24/11 02/24/11 16:27 1011
Bromodichloromethane	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
cis-1,3-Dichloropropene	ND	ug/L	1	1	1	02/24/11 02/24/11 16:27 1011
4-Methyl-2-Pentanone	ND	ug/L	5	1	1	02/24/11 02/24/11 16:27 1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:53 PSS Sample ID: 11022217-007

Date/Time Received: 02/22/2011 16:08

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
1,1,2-Trichloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
Toluene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
2-Hexanone	ND	ug/L	10	1	1	02/24/11	02/24/11 16:27	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
Dibromochloromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
Bromoform	ND	ug/L	5	1	1	02/24/11	02/24/11 16:27	1011
Tetrachloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
Chlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
Ethylbenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
m,p-Xylenes	ND	ug/L	2	1	1	02/24/11	02/24/11 16:27	1011
Styrene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
o-Xylene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
Isopropylbenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
1,3-Dichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
1,4-Dichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
1,2-Dichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10	1	1	02/24/11	02/24/11 16:27	1011
1,2,4-Trichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
Naphthalene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011
1,2,3-Trichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:27	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3	Date/Time Sampled: 02/22/2011 01:53 PSS Sample ID: 11022217-007							
Matrix: GROUND WATER	Date/Time Received: 02/22/2011 16:08							
TCL Semivolatile Organic Compounds	Analytical Method: SW-846 8270 C				Preparation Method: 3510C			
	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Acenaphthylene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Acetophenone	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Anthracene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Caprolactam	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Biphenyl (Diphenyl)	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Atrazine	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Benzo(a)anthracene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Benzo(a)pyrene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Benzo(b)fluoranthene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Benzo(g,h,i)perylene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Benzo(k)fluoranthene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Butyl benzyl phthalate	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
bis(2-chloroethoxy) methane	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
bis(2-chloroethyl) ether	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
bis(2-chloroisopropyl) ether	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
bis(2-ethylhexyl) phthalate	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
4-Bromophenylphenyl ether	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Di-n-butyl phthalate	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Carbazole	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
4-Chloro-3-methyl phenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
4-Chloroaniline	ND	ug/L	11	1	1	02/23/11	02/24/11 09:25	1014
2-Chloronaphthalene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2-Chlorophenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
4-Chlorophenyl Phenyl ether	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Chrysene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Dibenz(a,h)Anthracene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Dibenzofuran	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
3,3-Dichlorobenzidine	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2,4-Dichlorophenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3

Date/Time Sampled: 02/22/2011 01:53 PSS Sample ID: 11022217-007

Matrix: GROUND WATER

Date/Time Received: 02/22/2011 16:08

TCL Semivolatile Organic Compounds	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Diethyl phthalate	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Dimethyl phthalate	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2,4-Dimethylphenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
4,6-Dinitro-2-methyl phenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2,4-Dinitrophenol	ND	ug/L	11	1	1	02/23/11	02/24/11 09:25	1014
2,4-Dinitrotoluene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2,6-Dinitrotoluene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Fluoranthene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Fluorene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Hexachlorobenzene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Hexachlorobutadiene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Hexachlorocyclopentadiene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Hexachloroethane	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Isophorone	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2-Methylnaphthalene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2-Methyl phenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
3&4-Methylphenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Naphthalene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
4-Nitroaniline	ND	ug/L	11	1	1	02/23/11	02/24/11 09:25	1014
3-Nitroaniline	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2-Nitroaniline	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Nitrobenzene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
2-Nitrophenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
4-Nitrophenol	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
N-Nitrosodi-n-propyl amine	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
N-Nitrosodiphenylamine	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014
Di-n-octyl phthalate	ND	ug/L	11	1	1	02/23/11	02/24/11 09:25	1014
Pentachlorophenol	ND	ug/L	11	1	1	02/23/11	02/24/11 09:25	1014
Phenanthrene	ND	ug/L	5	1	1	02/23/11	02/24/11 09:25	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-3

Date/Time Sampled: 02/22/2011 01:53 PSS Sample ID: 11022217-007

Matrix: GROUND WATER

Date/Time Received: 02/22/2011 16:08

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Phenol	ND	ug/L	5	1		02/23/11	02/24/11 09:25	1014
Pyrene	ND	ug/L	5	1		02/23/11	02/24/11 09:25	1014
Pyridine	ND	ug/L	5	1		02/23/11	02/24/11 09:25	1014
2,4,6-Trichlorophenol	ND	ug/L	5	1		02/23/11	02/24/11 09:25	1014
2,4,5-Trichlorophenol	ND	ug/L	5	1		02/23/11	02/24/11 09:25	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD
March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5 Matrix: GROUND WATER		Date/Time Sampled: 02/22/2011 01:43 PSS Sample ID: 11022217-008					
		Date/Time Received: 02/22/2011 16:08					
Dissolved PP Metals		Analytical Method: SW-846 6020 A			Preparation Method: 3005A		
		Result	Units	RL	Flag	Dil	Prepared Analyzed Analyst
Antimony		23	ug/L	1.0	1	1	02/28/11 02/28/11 22:52 1033
Arsenic		1.6	ug/L	1.0	1	1	02/28/11 02/28/11 22:52 1033
Beryllium		ND	ug/L	1.0	1	1	02/28/11 03/01/11 15:03 1033
Cadmium		ND	ug/L	1.0	1	1	02/28/11 02/28/11 22:52 1033
Chromium		ND	ug/L	1.0	1	1	02/28/11 03/01/11 15:03 1033
Copper		ND	ug/L	1.0	1	1	02/28/11 03/01/11 15:03 1033
Lead		ND	ug/L	1.0	1	1	02/28/11 02/28/11 22:52 1033
Mercury		ND	ug/L	0.20	1	1	02/28/11 03/01/11 15:03 1033
Nickel		ND	ug/L	1.0	1	1	02/28/11 03/01/11 15:03 1033
Selenium		ND	ug/L	1.0	1	1	02/28/11 02/28/11 22:52 1033
Silver		ND	ug/L	1.0	1	1	02/28/11 02/28/11 22:52 1033
Thallium		ND	ug/L	1.0	1	1	02/28/11 02/28/11 22:52 1033
Zinc		ND	ug/L	20	1	1	02/28/11 03/01/11 15:03 1033
Total Petroleum Hydrocarbons - DRO		Analytical Method: SW-846 8015 C			Preparation Method: 3510C		
TPH-DRO (Diesel Range Organics)		Result	Units	RL	Flag	Dil	Prepared Analyzed Analyst
TPH-DRO (Diesel Range Organics)		0.2	mg/L	0.1	1	1	02/24/11 02/24/11 18:59 1040
Total Petroleum Hydrocarbons-GRO		Analytical Method: SW-846 8015C			Preparation Method: 5030B		
TPH-GRO (Gasoline Range Organics)		Result	Units	RL	Flag	Dil	Prepared Analyzed Analyst
TPH-GRO (Gasoline Range Organics)		ND	ug/L	100	1	1	02/23/11 02/23/11 13:26 1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:43 PSS Sample ID: 11022217-008

Date/Time Received: 02/22/2011 16:08

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Chloromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Vinyl Chloride	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Bromomethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Chloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Acetone	ND	ug/L	10	1	1	02/24/11	02/24/11 16:55	1011
Cyclohexane	ND	ug/L	10	1	1	02/24/11	02/24/11 16:55	1011
Trichlorofluoromethane	ND	ug/L	5	1	1	02/24/11	02/24/11 16:55	1011
1,1-Dichloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Methylene Chloride	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
trans-1,2-Dichloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Methyl-t-butyl ether	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,1-Dichloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
2-Butanone (MEK)	ND	ug/L	10	1	1	02/24/11	02/24/11 16:55	1011
cis-1,2-Dichloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Bromochloromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Chloroform	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,1,1-Trichloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,2-Dichloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Carbon Tetrachloride	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Benzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,2-Dichloropropane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Methyl Acetate	ND	ug/L	10	1	1	02/24/11	02/24/11 16:55	1011
Methylcyclohexane	ND	ug/L	10	1	1	02/24/11	02/24/11 16:55	1011
Trichloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Carbon Disulfide	ND	ug/L	10	1	1	02/24/11	02/24/11 16:55	1011
Bromodichloromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
cis-1,3-Dichloropropene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
4-Methyl-2-Pentanone	ND	ug/L	5	1	1	02/24/11	02/24/11 16:55	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:43 PSS Sample ID: 11022217-008

Date/Time Received: 02/22/2011 16:08

TCL Volatile Organic Compounds

Analytical Method: SW-846 8260 B

Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,1,2-Trichloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Toluene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
2-Hexanone	ND	ug/L	10	1	1	02/24/11	02/24/11 16:55	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Dibromochloromethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Bromoform	ND	ug/L	5	1	1	02/24/11	02/24/11 16:55	1011
Tetrachloroethene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Chlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Ethylbenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
m,p-Xylenes	ND	ug/L	2	1	1	02/24/11	02/24/11 16:55	1011
Styrene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
o-Xylene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Isopropylbenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,3-Dichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,4-Dichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,2-Dichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10	1	1	02/24/11	02/24/11 16:55	1011
1,2,4-Trichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
Naphthalene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011
1,2,3-Trichlorobenzene	ND	ug/L	1	1	1	02/24/11	02/24/11 16:55	1011

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:43 PSS Sample ID: 11022217-008

Date/Time Received: 02/22/2011 16:08

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Acenaphthylene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Acetophenone	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Anthracene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Caprolactam	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Biphenyl (Diphenyl)	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Atrazine	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Benzo(a)anthracene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Benzo(a)pyrene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Benzo(b)fluoranthene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Benzo(g,h,i)perylene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Benzo(k)fluoranthene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Butyl benzyl phthalate	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
bis(2-chloroethoxy) methane	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
bis(2-chloroethyl) ether	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
bis(2-chloroisopropyl) ether	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
bis(2-ethylhexyl) phthalate	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
4-Bromophenylphenyl ether	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Di-n-butyl phthalate	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Carbazole	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
4-Chloro-3-methyl phenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
4-Chloroaniline	ND	ug/L	11	1		02/23/11	02/24/11 09:50	1014
2-Chloronaphthalene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2-Chlorophenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
4-Chlorophenyl Phenyl ether	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Chrysene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Dibenz(a,h)Anthracene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Dibenzofuran	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
3,3-Dichlorobenzidine	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2,4-Dichlorophenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:43 PSS Sample ID: 11022217-008

Date/Time Received: 02/22/2011 16:08

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Diethyl phthalate	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Dimethyl phthalate	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2,4-Dimethylphenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
4,6-Dinitro-2-methyl phenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2,4-Dinitrophenol	ND	ug/L	11	1		02/23/11	02/24/11 09:50	1014
2,4-Dinitrotoluene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2,6-Dinitrotoluene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Fluoranthene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Fluorene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Hexachlorobenzene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Hexachlorobutadiene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Hexachlorocyclopentadiene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Hexachloroethane	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Isophorone	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2-Methylnaphthalene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2-Methyl phenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
3&4-Methylphenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Naphthalene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
4-Nitroaniline	ND	ug/L	11	1		02/23/11	02/24/11 09:50	1014
3-Nitroaniline	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2-Nitroaniline	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Nitrobenzene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2-Nitrophenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
4-Nitrophenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
N-Nitrosodi-n-propyl amine	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
N-Nitrosodiphenylamine	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Di-n-octyl phthalate	ND	ug/L	11	1		02/23/11	02/24/11 09:50	1014
Pentachlorophenol	ND	ug/L	11	1		02/23/11	02/24/11 09:50	1014
Phenanthrene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 11022217

ATC Associates Inc., Columbia, MD

March 1, 2011

Project Name: 214-220 Union Street

Project Location: Alexandria, VA

Project ID: 09.41386.0001

Sample ID: B-5

Matrix: GROUND WATER

Date/Time Sampled: 02/22/2011 01:43 PSS Sample ID: 11022217-008

Date/Time Received: 02/22/2011 16:08

TCL Semivolatile Organic Compounds

Analytical Method: SW-846 8270 C

Preparation Method: 3510C

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Phenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Pyrene	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
Pyridine	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2,4,6-Trichlorophenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014
2,4,5-Trichlorophenol	ND	ug/L	5	1		02/23/11	02/24/11 09:50	1014



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

① CLIENT: ATC		OFFICE LOC. COLUMBIA, MD		PSS Work Order #: 1102221		PAGE 1 OF 1	
PROJECT MGR: MIKE WOLF		PHONE NO.: (410) 381-0232		Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil W=Waste Solid WL=Waste Liquid WS=Waste Solid W=Wipe			
EMAIL: michael.wolf@atcassociates.com		FAX NO.: (410) 381-8908		No. C	SAMPLE TYPE	Preservatives Used	Analysis/ Method Required
PROJECT NAME: 214-220 UNION STREET PROJECT NO.: 09-41386-0001		O	O	KE KE KE KE	ICE ICE ICE ICE		
SITE LOCATION: ALEXANDRIA, VA		N	N				
SAMPLERS: LEE Host <i>[Signature]</i> Lee JH <i>[Signature]</i>		T	T				
P.O. NO.: <i>[Signature]</i>		A	A				
LAB NO.		SAMPLE IDENTIFICATION		MATRIX (See Codes)	TIME	DATE	TIME
1	-	B-1, 1-3	2-21-11	2251	5	3	6
2	-	B-2, 7-9	2-21-11	2244	5	3	6
3	-	B-3, 1-3	2-21-11	2215	5	3	6
4	-	B-4, 6-8	2-22-11	0032	5	3	6
5	-	B-5, 1-3	2-21-11	2359	5	3	6
6	-	B-1	2-22-11	0157	GW	7	6
7	-	B-3	2-22-11	0153	GW	7	6
8	-	B-5	2-22-11	0143	GW	7	6
REMARKS <i>LEES METALS SVOCs VOCs TAA-TKO TA-GRO</i>							
④ Requested Turnaround Time <input checked="" type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> Other Data Deliverables Required: 							
⑤ Relinquished By: (1) LEE Host Date 2-22-11 Time 16:08 Received By: <i>[Signature]</i> # of Coolers: 1 Relinquished By: (2) <i>[Signature]</i> Date 2-22-11 Time 16:08 Received By: <i>[Signature]</i> Custody Seal INTACT-COOLER Relinquished By: (3) Date 2-22-11 Time 16:08 Received By: <i>[Signature]</i> Ice Present: YES Temp: 1°C Relinquished By: (4) Date 2-22-11 Time 16:08 Received By: <i>[Signature]</i> Shipping Carrier: CLIENT Special Instructions:							



Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	11022217	Received By	Sara Dorr
Client Name	ATC Associates Inc.	Date Received	02/22/2011 04:08:00 PM
Project Name	214-220 Union Street	Delivered By	Client
Project Number	09.41386.0001	Tracking No	Not Applicable
Disposal Date	03/29/2011	Logged In By	Sara Dorr

Shipping Container(s)

No. of Coolers	1	Ice	Present
Custody Seal(s) Intact?	Yes	Temp (deg C)	1
Seal(s) Signed / Dated?	Yes	Temp Blank Present	No

Documentation

COC agrees with sample labels?	Yes	Sampler Name	<u>Not Provided</u>
Chain of Custody	Yes		<u>N/A</u>

Sample Container

Appropriate for Specified Analysis?	Yes	Custody Seal(s) Intact?	Not Applicable
Intact?	Yes	Seal(s) Signed / Dated	Not Applicable
Labeled and Labels Legible?	Yes		

Total No. of Samples Received 8

Total No. of Containers Received 36

Preservation

Metals	(pH<2)	No
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(ph<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By:

Sara Dorr

Date: 02/22/2011

Sara Dorr

PM Review and Approval:

Amy Friedlander

Date: 02/23/2011

Amy Friedlander



9231 Rumsey Road
Columbia, MD 21045-4710
(410) 381-0232
(410) 381-8909 - Fax

LETTER OF TRANSMITTAL

To: Qin Mary Liu
Procurement Officer
International Monetary Fund
1900 Pennsylvania Ave. NW
Room IMF HQ2-8B-279
Washington DC 20431
Tel: 202/623-9585

Date: March 17, 2011
Project: Concordia Hotel
ATC Proposal No. 009-2010-0841

We are sending you:

Enclosed
 Separately

Via:

Fed Ex
 Fax
 Messenger

Drawings
 Prints
 Samples
 Literature/Letters
 Signed Contract

For Approval
 For Re-submission
 For Your Information
 As Requested
 Approved As Noted

Number	Type	Description
1	Set of documents	IMF Contract 1853

Remarks: Mary, the signed documents are enclosed. Please note that on page 6, at the top of the page, Michael Plainte's email address is incorrect. The correct email address is michael.plainte@atcassociates.com. We look forward to working with the IMF.



Please Return

Copy/Copies to This Office

Copies to:	Trans.	To
<input type="checkbox"/>		

Very Truly Yours,
ATC ASSOCIATES INC.

By: Karen Pecoraro
Senior Consultant/Business Development Manager